



OKIPAGE™ 18/24DX

DIGITAL LED PRINTER

Warranty, Regulatory Information, and Specifications



Disclaimer

Every effort has been made to ensure that the information in this document is complete, accurate, and up-to-date. Okidata assumes no responsibility for the results of errors or omissions beyond its control. Okidata also cannot guarantee that changes in software and equipment made by other manufacturers and referred to in this document will not affect the applicability of the information in it. Mention of software products manufactured by other companies does not necessarily constitute endorsement by Okidata.

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<http://www.okidata.com>

Trademark Information

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Energy Star is a registered trademark of the United State Environmental Protection Agency.

Touch-Tone is a registered trademark of American Telephone and Telegraph.

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Emergency First Aid Information

Refer to the Material Safety Data Sheet at the end of this document.



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Year 2000 Compliance

All products currently sold by Okidata are Year 2000 Compliant. Each product contains information technology that accurately processes date and time data between the years 1999 and 2000, and carries no issue for the September 9, 1999 (9999) programming concern. These products, when used in combination with products purchased from other manufacturers, whose products properly exchange data and time information, will accurately process the date and time. All future products are committed to meeting the same Year 2000 compliance.

Energy Star



As an Energy Star® Partner, Okidata has determined that this product meets the Energy Star guidelines for energy efficiency.

Limited Warranty

Limited Warranty—United States and Canada

Okidata, division of Oki America, Inc. (Okidata) warrants this printer to be free from defect in material and workmanship and will remedy any such defect according to the terms of this *Limited Warranty*. This *Limited Warranty* extends to the original purchaser only. This *Limited Warranty* does not extend to network setup, application conflicts, or consumable items including, but not limited to, image drum cartridges, toner cartridges, fuses, etc.

Okidata will repair (or at its option, replace) at no charge, any defective component(s) of the Printer for one (1) year from the date of purchase except for the printhead (LED imaging array), which is warranted for a period of five (5) years from date of purchase. This *Limited Warranty* extends to the original purchaser only. This *Limited Warranty* does not extend to consumable items.

Consumables are covered separately under individual consumable warranties. Please refer to the appropriate consumable item's warranty for further information.

On-Site Repair

- ! *On-Site Repair is available in the United States and Canada only. On-Site Repair does not include the replacement or repair of product consumables or supplies.*

Okidata will, for a period of one (1) year from the date of purchase, repair (or replace at its option) on-site at the original purchaser's facility within a sixty (60) mile [100 kilometers] radius of an Authorized Service Center and without charge, any defective component(s) of the printer, provided that this warranty service is performed by an authorized Okidata service center or authorized third-party service organization. The printhead (LED imaging array) has a five (5) year parts warranty from date of purchase. On-site replacement of the printhead is limited to one year from date of purchase. For the remaining printhead warranty period, replacement will be at an authorized service center or authorized third party service organization.

To make request or claim for service under this *Limited Warranty*, contact your Okidata Authorized Dealer, authorized third-party service provider, or Okidata.

Okidata will attempt to fix the problem over the telephone prior to scheduling an on-site visit. It will be the responsibility of the owner to install any warranty replacement consumable (drum or toner) or other end user replaceable item as supplied by Okidata.

A written receipt for the product, showing the date of purchase, place of purchase, and both the model and serial numbers of this printer must accompany any request or claim for work to be performed under this Limited Warranty. In the event a service request is verified by Okidata over the phone, a mailed or faxed copy of the written purchase receipt is required to verify in-warranty coverage prior to scheduling an on-site repair.

This *Limited Warranty* shall not apply if the product has been damaged due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Okidata service center.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE ON THE FACE HEREOF AND DESCRIBED ABOVE. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND

THE RESPECTIVE WARRANTY PERIOD DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

OKIDATA SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSS ARISING FROM THE USE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

Additional information on obtaining service under this *Limited Warranty* is available by contacting the OKIDATA dealer from whom the product was purchased, by contacting Okidata directly at 1-800-654-3282 (1-800-OKIDATA, United States and Canada, English only), or 1-609-222-5276 (Spanish only), or by contacting one of the listed service locations.

This *Limited Warranty* applies to this Okidata printer. However, the procedure for obtaining service may vary outside of the continental United States. Contact your Okidata dealer for such warranty service information.

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

Limited Warranty—Latin America

Okidata, division of Oki America, Inc. (Okidata) warrants this printer to be free from defect in material and workmanship and will remedy any such defect according to the terms of this *Limited Warranty*. This *Limited Warranty* does not extend to network setup, application conflicts, or consumable items including, but not limited to, image drum cartridges, toner cartridges, fuses, etc.

Consumables are covered separately under individual consumable warranties. Please refer to the appropriate consumable item's warranty for further information.

Okidata will repair (or at its option, replace) at no charge, any defective component(s) of the Printer for one (1) year from the date of purchase except for the printhead (LED imaging array), which is warranted for a period of five (5) years from date of purchase. This *Limited Warranty* extends to the original purchaser only.

To make a request or claim for service under this *Limited Warranty*, the original purchaser must return the Oki Data Product to Oki Data or an authorized Oki Data service center within the country purchased. The purchaser returning the product for repair must pay for all transportation charges to the repair center. A written receipt for the Product, showing the date of purchase, dealer's name, and both the model and serial numbers of the Oki Data Product must accompany any request or claim for work to be performed under this *Limited Warranty*.

This *Limited Warranty* shall not apply if the product has been damaged due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Okidata service center.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE ON THE FACE HEREOF AND DESCRIBED ABOVE. NO WARRANTIES EXPRESS OR APPLIED, INCLUDING, BUT NOT LIMITED TO, ANY PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE RESPECTIVE WARRANTY PERIOD ABOVE OF ONE (1) YEAR.



Okidata Depot Service Centers

United States

Okidata

2020 Bishops Gate Blvd.

Mt. Laurel, NJ 08054

Phone: 800-654-3282

Fax: 609-222-5247 (U.S./Canada)

609-222-5260 (Latin America)

Canada

Okidata

2735 Matheson Blvd. East, Unit 1

Mississauga, Ontario

Canada L4W 4M8

Phone: 800-654-3282

Fax: 905-238-4427

Argentina

Megatech

Lavalle 1524

1048 Buenos Aires, Argentina

Phone/Fax:(541) 371-4123

[Touch-Tone required]

Brazil

Oki Data do Brasil, Ltda.

Av. Leonardo da Vinci, 1178/1182

Jabaquara

Sao Paulo, Brazil

Phone: 55-11-5011-1518

Fax: 55-11-5012-0267

Chile

Teknos Comunicaciones

Santa Elena 2222

Santiago, Chile

Phone: 56 (2) 555-5530

Fax: 56 (2) 550-2399

Colombia

Impact

Calle 93 Bis No 19-50 Ofic 103-105

Bogota, Colombia

Phone: 571-616-1385

Fax: 571-616-1386

Mexico

Oki Data de Mexico, S.A. de C.V.

Av. Insurgentes 1700 – 7 Piso

Col. Florida 01030

Phone: (525) 661-6860

Fax: (525) 661-5861

Peru

Teknos Comunicaciones

Los Sauces 325

San Isidro, Lima 27, Peru

Phone: 511-222-1818

Fax: 511-221-5404

Venezuela

Intercal Servicios C.A.

RIF: J-30406985-5

3a Transveral de Los Ruices Norte

Edificio Canada, PB, Local Calle

Caracas, Venezuela

Phone/Fax: 582-232-2290

Authorized Service Providers

OKIDATA has over 2,000 local Authorized Service Providers in North and South America.

For the most comprehensive, up-to-date listing of Okidata authorized Service Centers:

- Consult our web site at **www.okidata.com**
- In the U.S. and Canada, call 1-800-654-3282 (1-800-OKIDATA)
- In Latin America, contact the Latin America Service Coordinator at Okidata's Corporate Headquarters at 609-222-5276 (Spanish only).

Important Safety Information

Your Okidata printer has been carefully designed to give you years of safe, reliable performance. As with all electrical equipment, there are a few basic precautions you should take to avoid hurting yourself or damaging the printer.

- Carefully read the provided setup and operating instructions.
- Save all provided documentation for future reference.
- Read and follow all warning and instruction labels on the printer itself.
- Unplug the printer before you clean it. Use only a damp cloth; do not use liquid or aerosol cleaners.
- Place your printer on a firm, solid surface. If you put it on something unsteady, it may fall and be damaged. If you place it on a soft surface, such as a rug, sofa, or cushion, the vents may be blocked, causing the printer to overheat.
- Protect your printer from overheating. Make sure no obstructions block the openings of the printer. Do not put the printer on or near a heat source (such as a radiator or heat register). Keep the printer out of direct sunlight. Allow enough room around the printer for adequate ventilation and easy access to the paper trays. If you put the printer in any kind of enclosure, make sure the enclosure is properly ventilated.
- Do not use your printer near water. Do not spill liquid of any kind into it.
- Be certain that your power source matches the rating listed on the back of the printer. If you are not sure, check with your dealer or with your local power company.
- Your printer has a grounded, three-prong plug as a safety feature. This plug only fits into a grounded outlet. If the plug does not fit, the outlet may be an older, non-grounded type. Contact an electrician to have the outlet replaced. Do not use an adapter to defeat the grounding.
- Install the printer near an easily accessed power outlet.
- Avoid damaging the power cord. Do not put anything on it or place it where it will be walked on. If the cord becomes damaged or frayed, replace it immediately.

- If you are using an extension cord or power strip with the printer, make sure that the total of the amperes required by all the equipment on the extension is less than the extension's rating. The total ratings of all equipment plugged into the outlet should not exceed 15 amperes.
- Do not poke anything into the ventilation slots of the printer. You could get an electrical shock or cause hazardous electrical arcing, which could cause a fire.
- Aside from the routine maintenance described in the documentation, do not try to service the printer yourself. Removing the cover may expose you to shocks or other hazards.
- Do not make any adjustments other than those outlined in the documentation. You may cause damage that will require extensive repair work. The provided documentation explains how to get your printer serviced by qualified Okidata technicians.

If anything happens that indicates that your printer is not working properly or has been damaged, unplug it immediately and follow the procedures in the provided documentation for having your printer serviced.

Here are some of the things to look for.

- The power cord or plug is frayed or damaged.
- Liquid has been spilled into the printer, or the printer has been exposed to water.
- The printer has been dropped, or the cabinet is damaged.
- The printer does not function normally when you are following the operating instructions.

Regulatory Information

Federal Communications Commission Radio Frequency Interference Statement for 120-Volt Models

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Plug the unit into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

It is the responsibility of the user to obtain the required shielded cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by OKIDATA may void your authority to operate this device.

Industry Canada Radio Interference Statement for 120-Volt Models

This OKIDATA apparatus complies with the Class B limits for radio interference as specified in the Industry Canada Radio Interference Regulations.

Federal Communications Commission Radio Frequency Interference Statement for 230/240- Volt Models

WARNING: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

It is the responsibility of the user to obtain the required shielded cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by OKIDATA may void your authority to operate this device.

Industry Canada Radio Interference Statement for 230/240-Volt Models

This OKIDATA apparatus complies with the Class A limits for radio interference as specified in the Industry Canada Radio Interference Regulations.

European Union Council of the European Communities Statements of Electromagnetic Conformance for 230/240-Volt Models

This product complies with the requirements of the council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility.

European Union Council of the European Communities Statement of Safety Conformance for 230/240- Volt Models

This product is in conformity with Directive 73/23/EEC on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.

Federal Communications Commission Declaration of Conformity for 120 Volt Models

1. Product Identification

OKIPAGE 18, model N22002A

2. Statement

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,
including interference that may cause undesired
operation.

3. Responsible Party

Okidata, Division of Oki America Inc.
2000 Bishops Gate Boulevard
Mt. Laurel, NJ 08054-4620
1-800-654-3282 (1-800-OKIDATA)

Federal Communications Commission Declaration of Conformity for 120 Volt Models

1. Product Identification

OKIPAGE 24DX, model N22001A

2. Statement

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,
including interference that may cause undesired
operation.

3. Responsible Party

Okidata, Division of Oki America Inc.
2000 Bishops Gate Boulevard
Mt. Laurel, NJ 08054-4620
1-800-654-3282 (1-800-OKIDATA)

Specifications

For additional specifications (including General, Physical, Interface, Print Media, Fonts, and Commands) refer to the Handbook.

Electrical

Voltage

120 V: 120 VAC +10%, -14%

230 V: 230VAC +/- 10%

Frequency

50/60 Hz +/- 2%

Power

Idle: Approximately 95 Watts

Operating: Approximately 350 Watts

Peak: Approximately 820 Watts

Power Save Mode: Approximately 25 Watts

Environmental

Temperature

Operating

50 to 90° F

10 to 32° C

Power Off

32 to 110° F

0 to 43° C

Storage (Packed)

14 to 110° F

-10 to 43° C

Humidity

Operating

20 to 80% Relative Humidity

Power Off

10 to 90% Relative Humidity

Storage (Packed)

10 to 90% Relative Humidity

Material Safety Data Sheet

Type 7 Toner, P/N 40468801

MSDS # 58328701

For more information, contact Okidata at:

2000 Bishops Gate Boulevard
Mount Laurel, NJ 08054-4620

Emergency Information

Call 1-800-654-3282 (1-800-OKIDATA)

Emergency First Aid Procedures

Toner swallowed (ingested)

Dilute by giving two glasses of water and induce vomiting by administering Syrup of Ipecac (follow manufacturer's instructions). Seek medical attention. NEVER give anything by mouth or attempt to induce vomiting in a person who is unconscious.

Toner inhaled

Remove person to fresh air. Seek medical attention.

Toner gets in the eyes

Flush eyes with large quantities of cool water for 15 minutes, keeping the eyelids open with fingers. Seek medical attention.

- ! *Small amounts of toner on skin or clothing can easily be removed with soap and cold water. Hot water makes toner harder to remove.*

Current as of July 1, 1999

Hazardous Ingredients

Styrene-Butyl Acrylate Copolymer (91% by weight)

CAS# 25767-47-9

OSHA TWA 15 mg/m³ for total dust

ACGIH TLV 10 mg/m³ for total dust

Carbon Black (5-7% by weight)

CAS# 1333-86-4

OSHA TWA 3.5 mg/m³

ACGIH TLV 3.5 mg/m³

Paraffin Wax (less than 3% by weight)

CAS# 8002-74-2

OSHA TWA 2 mg/m³ for total dust

ACGIH TLV 2 mg/m³ for total dust

Amorphous Fumed Silica (less than 1% by weight)

CAS# 67762-90-7

OSHA PEL 15.0 mg/m³ for total dust

ACGIH TLV 10.0 mg/m³ for total dust

- ! *This product is not regulated under Section 313 of SARA, Title III.*

Physical Data

Melting Point: 110°C (230°F)

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Evaporation Rate (Butyl Acetate=1): Not applicable

Specific Gravity (H₂O=1): 1.15

Solubility in water: Negligible

Appearance and odor: Black granules, no odor

Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable

Flammable Limits

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

Extinguishing Media: Water, CO₂, Dry Chemical, or Foam

Special Fire Fighting Procedures: Do not use methods that may create a dust cloud, such as high-pressure water and/or steam

Unusual Fire and Explosion Hazards

- Organic components decompose at 200-455°C (392-851°F).
- Material may explosively combust when finely suspended in air.
- Thermal decomposition of organic components may result in release of oxides of carbon and nitrogen.

Health Hazard Data

Routes of Entry: Inhalation, Ingestion, Eyes, Skin.

1 Styrene-Butyl Acrylate Copolymer

Subcutaneous implantation of polymeric styrene powder in rats has induced tumors at the site of implantation.

2 Carbon Black

Group 2B “Possible Carcinogen”; IARC

Overexposure to carbon black is associated with causing irritation, conjunctivitis, and corneal hypoplasia of the eyes; minor irritation and eczema of the skin; and irritation and bronchitis. Long-term inhalation exposure may be associated with causing lung cancer.

3 Paraffin Wax

Group 3 “Not Classifiable”; IARC

May cause eye, skin, respiratory, and digestive tract irritation. Paraffin is an equivocal tumorigenic agent by RTECS criteria.

4 Amorphous Fumed Silica

Group 3 “Not Classifiable”; IARC

Overexposure to amorphous silica has been associated with causing irritation of the lungs and pneumoconiosis. Long-term inhalation exposure may be associated with producing tumors in laboratory animals.

Reactivity Data

Stability: Stable

Polymerization: Will not occur.

Hazardous Decomposition Products: Thermal decomposition may result in release of oxides of carbon and nitrogen.

Temperature: Do not expose to temperatures above 200°C (392°F).

Incompatibility: Avoid exposure to strong oxidizers.

Spill Cleanup and Disposal

Spill Cleanup

Small Spills

- 1 Remove sources of ignition.
- 2 Clean up spill with wet cloth.

Large Spills

- 1 Remove sources of ignition.
- 2 Wear protective gear: respirator, rubber gloves, goggles (see below)
- 3 Clean up spill with scoop, being careful not to generate a lot of dust.

Waste Disposal

Follow appropriate federal, state and local regulations.

Safe Handling and Use

Respiratory Protection: Not normally required. For large spills, use NIOSH-approved full face-piece respirator with HEPA cartridge during cleanup.

Protective Gloves and/or Eye Protection: Not normally required. For large spills, use rubber gloves and chemical worker's goggles during cleanup.

Ventilation: Outside of normal ventilation, not normally required.

Other Protective Equipment and/or Hygienic Practices:
None

Special Precautions

Precautions for Handling or Storage: Protect from high heat. Avoid making dust.

Other Precautions: None

The information contained in this MSDS is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person party proximately caused by the product if reasonable safety procedures are not adhered to as stipulated in the MSDS. Furthermore, vendor assumes no responsibility for injury to vendee or third person party proximately caused by abnormal use of the product even if reasonable safety procedures are followed. Additionally, vendee assumes the risk of his use of the product.
